

Programs

*** RESTORE FOR VZ-200/300 ***

```
1 DATA 237,91,33,121,205,44,27,210,217,3
0,11,237,67,255,120,201
2 FORQ=31389T031404:READA:POKEQ,A:NEXT
3 POKE30862,157:POKE30863,122
```

Hint for VZ-200/300

EVER wanted to restore to a particular line number? This short routine will let you do it. In VZ basic, RESTORE simply sets the DATA LINE POINTER to the byte before the first program line. This routine makes the line number in the statement X=USR (line number) and calls a ROM routine to find the line in memory. It then

moves back one byte, and stores this as the new DATA LINE POINTER.

An undefined statement error is given if no such line exists. This routine is stored in the cassette name buffer, but can be stored anywhere in memory.

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```
0 REM HEX/DEC TO DEC/HEX CONVERSION. WRITTEN BY DAVID MAUNDER.
1 REM COPYRIGHT © 1989. THIS PROGRAM JUST CONVERTS
2 REM HEXADECIMAL TO DECIMAL AND VICE VERSA. IT IS WRITTEN
3 REM FOR THE VZ-200 AND VZ-300 BUT CAN BE VERY EASILY ADAPTED
4 REM TO OTHER MACHINES.
5 REM
6 H$="0123456789ABCDEF":EF%=0:ER$="ERROR":FF=65536
7 CLS:PRINT"HEX/DEC TO DEC/HEX CONVERSION. WRITTEN BY DAVID MAUNDER."
8 PRINT"WRITTEN BY D. MAUNDER"
9 PRINT
10 PRINT"WHICH:"
11 PRINT" 1 HEXADECIMAL TO DECIMAL"
12 PRINT" 2 DECIMAL TO HEXADECIMAL"
```

```
13 PRINT" 3 QUIT"
14 INPUT"?":A
15 IFA=1THEN19
16 IFA=2THEN28
17 IFA=3THENPOKE30845,199
18 GOTO7
19 CLS:
20 PRINT" HEXADECIMAL TO DECIMAL"
21 PRINT" RETN = CONTINUE - = ABORT"
22 PRINT:INPUT"HEX#":H$:IFA$=""THEN7
23 GOSUB40:IFEFF%THENPRINT:GOTO22ELSEPRINT"DEC#":D
24 Q$=INKEY$:Q$=INKEY$:IFO$=""THEN24
25 IFO$=""THEN7
26 IFO$=CHR$(13)THEN22
27 GOTO24
28 CLS:
29 PRINT" DECIMAL TO HEXADECIMAL"
30 PRINT" RETN = CONTINUE - = ABORT"
31 PRINT:INPUT"DEC#":N
32 IFN<0ORN>65535THENPRINT:GOTO31
33 FORI=1TO4:GOSUB46:NEXT
34 PRINT"HEX#":H$
35 N$=""
36 Q$=INKEY$:Q$=INKEY$:IFO$=""THEN36
37 IFO$=""THEN7
38 IFO$=CHR$(13)THEN31
39 GOTO36
40 EF%=0:D=0:LN$=LEN(H$):IFLN%4THEN45
41 FORI=1TOLN: B$=MID$(H$,I,1)
42 IF(B$>"0"ANDB$<"9">OR(B$>"A"ANDB$<"F"))THEN43ELSE45
43 J$=ASC(B$)-48:IFJ%>9THENJ%=J%-7
44 D=D*16+J$:NEXT I:RETURN
45 EF%=1:RETURN
46 EF%=0
47 A=INT(N/16):Z=N-16*A:H$=MID$(H$,Z+1,1)+N$:N=A:RETURN
```

Hex/dec and dec/hex conversion

THIS short VZ listing does exactly what the name suggests and it can easily be adopted to other

David Maunder,
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